

TRANSLATION

MINISTRY OF  
SCIENCE AND  
TECHNOLOGY

Spanish Patent and  
Trademark Office

**APPLICATION FOR CERTIFICATION AND/OR AUTHORISED COPY  
PATENTS AND MODELS**

**(1) IDENTIFICATION**

Mr. <b>JOSÉ RAMÓN TRIGO PECES 0617-3</b>	
<input type="checkbox"/> on behalf of -----	
<input type="checkbox"/> with registered offices at	
REQUESTS: The Spanish Patent and Trademark Office to issue	<b>MODALITY</b> <b>INVENTION PATENT</b>
<input checked="" type="checkbox"/> Certification of the particulars described hereafter in relation to	<b>NUMBER</b> <b>200300760</b>
<input checked="" type="checkbox"/> Authorised copy in relation to	

**(2) REGISTER INFORMATION**

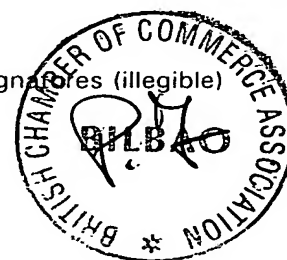
<input checked="" type="checkbox"/> <b>TITLE OF THE INVENTION</b> <b>MULTIDIRECTIONAL DRIVE FOR GAS CYLINDERS</b>	
<b>HOLDER</b> <b>GAIN GAS TECHNIQUE, S.L.</b>	
<input checked="" type="checkbox"/> APPLICATION presented to the Register on <b>1 April 2003</b>	<input type="checkbox"/> INTERNATIONAL CLASSIFICATION
<input type="checkbox"/> GRANTED by Resolution dated	<input type="checkbox"/> Published in the Official Gazette of Industrial Property dated
<input type="checkbox"/> REFUSED by Resolution dated	<input type="checkbox"/> Published in the Official Gazette of Industrial Property dated
<input type="checkbox"/> EXPIRED by Resolution dated	<input type="checkbox"/> Published in the Official Gazette of Industrial Property dated
<input type="checkbox"/> CANCELLED by Resolution dated	<input type="checkbox"/> Published in the Official Gazette of Industrial Property dated
<input type="checkbox"/> OTHER PARTICULARS  <b>NO OTHER PARTICULARS ARE REQUESTED</b>	
<b>PLACE AND DATE</b> <b>MADRID, 31 MARCH 2004</b>	<b>SIGNATURE OF THE INTERESTED PARTY</b> <b>(Illegible)</b>

**CERTIFICATION**

<b>Ms. CARMEN LENCE REIJA, SENIOR LEGAL TECHNICIAN OF THE DEPARTMENT OF PATENTS AND INFORMATION T.</b>	
<b>CERTIFIES:</b> That having consulted the information contained in the Data Bases, Official Books and Records of this Register, they have been found to coincide exactly with the particulars described above in relation to the <b>INVENTION PATENT</b> number <b>200300760</b> . On the date shown, the corresponding dossier <b>IS IN NEGOTIATION</b> .	
And to put this on record, this certification is issued in Madrid on <b>30 APRIL 2004</b>	

P.6

The certificate bears the seal of the Spanish Patent and Trademark Office and two signatures (illegible)



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# OFFICIAL CERTIFICATE

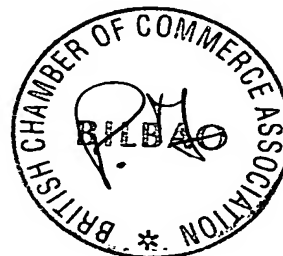
I hereby certify that the attached documents are an exact copy of the **INVENTION PATENT** application, number **200300760**, whose date of presentation in this organisation is **1 April 2003**.

Madrid, 30 April 2004.

The Director of the Department of Patents and  
Technological Information

Signature (Illegible)

CARMEN LENCE REIJA



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MINISTRY OF  
SCIENCE AND  
TECHNOLOGY

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## APPLICATION FORM

APPLICATION NUMBER

**P200300760**

DATE AND TIME OF PRESENTATION IN S.P.T.O.

**'03 APRIL -1 10:29**

DATE AND TIME OF PRESENTATION IN PLACE OTHER THAN S.P.T.O.

(1) MODALITY:

☒ **INVENTION PATENT**☐ **UTILITY MODEL**

(2) TYPE OF APPLICATION

☐ ADDITION TO THE PATENT☐ APPLICATION FOR DIVISION☐ CHANGE OF MODALITY☐ TRANSFORMATION TO

EUROPEAN APPLICATION

☐ PCT: ENTER NATIONAL PHASE

(3) MAIN OR ORIGIN FILE

MODALITY

APPLICATION NUMBER

APPLICATION DATE

(4) PLACE OF PRESENTATION

CODE

**MADRID****28**

(5) APPLICANT(S)

SURNAME OR LEGAL NAME

NAME

NATIONALITY

COUNTRY  
CODE

DNI/CIF

SIC

SME

**GAIN GAS TECHNIQUE, S.L.****SPANISH****ES****B20066270**

(6) DETAILS OF FIRST APPLICANT

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(7) INVENTORS

SURNAME(S)

NAME

NATIONALITY

NATION CODE

**BARANDIARAN SALABERRIA****JAVIER****SPANISH****ES**(8) ☐ THE APPLICANT IS THE INVENTOR☒ THE APPLICANT IS NOT THE INVENTOR OR SOLE INVENTOR

(9) METHOD OF OBTAINING THE RIGHT

☒ WORKING INVENTION ☐ CONTRACT ☐ SUCCESSION

(10) TITLE OF THE INVENTION

**"MULTIDIRECTIONAL DRIVE FOR GAS CYLINDERS"**

(11) BIOLOGICAL MATERIAL DEPOSITED

☐ YES☒ NO

(12) OFFICIAL EXPOSURE

PLACE

DATE

(13) DECLARATIONS OF PRIORITY

COUNTRY OF ORIGIN

COUNTRY CODE

NUMBER

DATE

(13) THE APPLICANT RESORTS TO THE DEFERRED PAYMENT OF TAXES FORESEEN IN ART. 162 OF PATENTS ACT 11/86 ☐

(14) AGENT/REPRESENTATIVE: NAME AND FULL POSTAL ADDRESS (IF I.P. AGENT, NAME AND CODE) (TO BE FILLED IN ONLY BY PROFESSIONALS)

**Mr. JOSÉ RAMÓN TRIGO PECES 0617-3****Gran Vía, 40; 28013 - MADRID**

(16) LIST OF DOCUMENTS ATTACHED

☒ DESCRIPTION. No. OF PAGES **1**☒ No. OF CLAIMS **5**☒ REPRESENTATION DOCUMENT☒ DRAWINGS. No. OF PAGES **2**☐ RECEIPT FOR PAYMENT OF TAXES☐ SEQUENCES LIST. No. OF PAGES☐ ADDITIONAL INFORMATION SHEET☐ ABSTRACT☐ TESTS OF DRAWINGS☐ DOCUMENT OF PRIORITY☐ PROSPECTION QUESTIONNAIRE☐ TRANSLATION OF DOCUMENT  
OF PRIORITY☐ OTHERS

NOTIFICATION OF PAYMENT OF AWARDED TAXES

Notification is served that this application will be considered withdrawn if the concession tax is not paid; for payment of this tax, three months are available from the date of publication of announcement of concession in the Official Gazette of Industrial Property, plus the ten days established by art. 81 of Royal Decree 2245/1986

SIGNATURE OF APPLICANT OR REPRESENTATIVE

Signature (illegible)

SEE NOTIFICATION OVERLEAF

SIGNATURE OF THE PUBLIC OFFICIAL

Signature (illegible)

THE DIRECTOR OF THE SPANISH PATENT AND TRADEMARK OFFICE

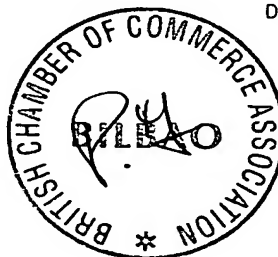
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TRANSLATION

P 200300760

Abstract (brief)

The invention relates to a multidirectional drive for the control rod of the gas passage valve in gas cylinders composed of two concentric bodies and with an intermediate chamber, that enables the use of any type of drive action on an area that resembles a semi-sphere and with the direction in which the executing force of the control action is applied proving immaterial..



CLAIMS

1. Multidirectional drive for the control rod (16) of the gas passage valve (29)  
5 in gas cylinders, consisting of two concentric bodies (1, 2) and an intermediate chamber (3), characterised in that:

- the drive action area of the control rod (16) resembles a semi-spherical surface  
(18) whose centre corresponds to a point on the symmetry axis of the control rod (16) in  
10 its rest situation (Figure 2.a).

- the direction of the force to be applied (19, 20, 21) on the area that resembles a  
semi-spherical surface (18) is multidirectional, since it is not necessary for it to be  
exclusively in the direction of the shaft of the rod (21) or lateral to it (20), but is  
15 extendable to any of the points (19, 20, 21) of the area that resembles a semi-spherical  
surface (18).

2. Multidirectional drive for the control rod (16) of the gas passage valve (12)  
in gas cylinders, in accordance with claim 1, characterised in that it uses the design of  
20 the valve device (6, 7, 8) with its sealing gaskets (10, 11) to operate, without limits, the  
drive action movement direction (19, 20, 21) of the control rod (16) on the area that  
resembles a semi-spherical surface (18) of an indefinite size.

3. Multidirectional drive for the control rod (16) of the gas passage valve (12)  
25 in gas cylinders, in accordance with claims 1 and 2, characterised in that semi-spherical  
devices (18) which have holes (23) of the blind type (24) can be used.

4. Multidirectional drive for the control rod (16) of the gas passage valve (12)  
in gas cylinders, in accordance with claims 1 and 2, characterised in that semi-spherical  
30 devices (18) with hole (23) of the through type (25) can be used.

5. Multidirectional drive for the control rod (16) of the gas passage valve (12)  
in gas cylinders, in accordance with claims 1, 2 and 4, characterised in that the  
projecting end (17) of the control rod (16) for the valve enables operation to be carried  
35 out by any device inside an area that resembles a semi-spherical surface (18).

